

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 December 2001 (20.12.2001)

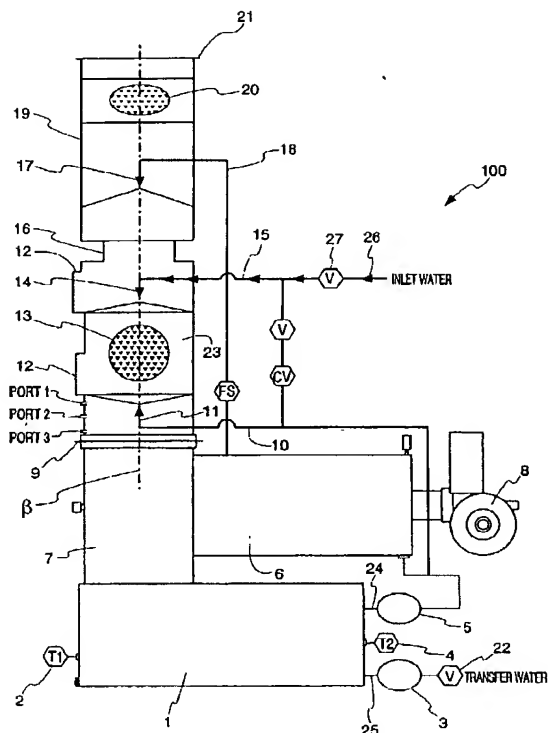
PCT

(10) International Publication Number
WO 01/95949 A1

- (51) International Patent Classification⁶: A61L 2/08, 9/00, 2/00, A01N 1/00, B01B 1/00, F24H 1/10
- (21) International Application Number: PCT/US01/40956
- (22) International Filing Date: 13 June 2001 (13.06.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/212,062 13 June 2000 (13.06.2000) US
- (71) Applicant (for all designated States except US): WEBCO INDUSTRIES, INC. [US/US]; 9101 West 21st Street, Sand Springs, OK 74063 (US).
- (72) Inventor: WALKER, Brian, Keith [US/US], 4834 S. 193rd E. Ave., Broken Arrow, OK 74014 (US)
- (74) Agent: CHERSKOV, Michael, J.; Cherskov & Flaynik, The Civic Opera Building, 20 North Wacker Drive, Chicago, IL 60606 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TI, TM), European

[Continued on next page]

(54) Title: A DEVICE AND METHOD FOR MINIMIZING PATHOGENS IN HEATED WATER



(57) Abstract: A device (100) for heat-treating water is provided, comprising a confined heating zone, a passage-way (15) for transporting the water to said confined heating zone (23) so as to facilitate heating of the water, a controller (27) for preventing the heated water from leaving the device (100) until pathogens entrained in the heated water are killed; and an antimicrobial substrate (20) for preventing pathogens entrained in unheated water from leaving the device (100).

WO 01/95949 A1